

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1           **Claim 1 (original):** A magnetron comprising a choke  
2           coil connected between a cathode terminal and a capacitor,  
3           and cooperating with said capacitor to form an LC filter  
4           circuit,

5           wherein said choke coil includes first and second core  
6           type inductors having respectively bar-like high-frequency  
7           absorbing members located within windings thereof, an air-  
8           core inductor not having a high-frequency absorbing member  
9           and connected to said cathode terminal;

10          said first core type inductor, said second core type  
11          inductor and said air-core inductor are connected in  
12          series, and

13          said first core type inductor and said second core  
14          type inductor are arranged via a gap having a width within  
15          1mm to 6mm.

1           **Claim 2 (original):** A magnetron according to claim 1,  
2           wherein frequency characteristics of said high-frequency  
3           absorbing members of said first and second core type  
4           inductors are different from each other.

1           **Claim 3 (original):** A magnetron according to claim 1,  
2           wherein one of said first and second core type inductors is  
3           formed with a high-density wound type choke coil, and the  
4           other is formed with a low-density wound type choke coil.

1           **Claim 4 (original):** A magnetron according to claim 1,  
2           wherein lengths of said first and second core type  
3           inductors are different from each other.

1           **Claim 5 (original):** A magnetron according to claim 1,  
2           wherein said high-frequency absorbing members located  
3           within said windings of said first and second core type  
4           inductors are connected via an insulating material located  
5           on a position corresponding to said gap presented between  
6           said first and the second core type inductors.

1           **Claim 6 (currently amended):** ~~A magnetron according to~~  
2           ~~claim 5, A magnetron comprising a choke coil connected~~  
3           ~~between a cathode terminal and a capacitor, and cooperating~~  
4           ~~with said capacitor to form an LC filter circuit,~~

5           wherein said choke coil includes first and second core  
6           type inductors having respectively bar-like high-frequency  
7           absorbing members located within windings thereof, an air-  
8           core inductor not having a high-frequency absorbing member  
9           and connected to said cathode terminal;

10           said first core type inductor, said second core type  
11           inductor and said air-core inductor are connected in  
12           series, and;

13           said first core type inductor and said second core  
14           type inductor are arranged via a gap having a width within  
15           1mm to 6mm;

16           wherein said high-frequency absorbing members located  
17           within said windings of said first and second core type  
18           inductors are connected via an insulating material located  
19           on a position corresponding to said gap presented between  
20           said first and the second core type inductors;

21           wherein said insulating material is made of a silicone  
22           rubber based material.

1           **Claim 7 (currently amended):** ~~A magnetron according to~~  
2           ~~claim 1,~~ A magnetron comprising a choke coil connected  
3           between a cathode terminal and a capacitor, and cooperating  
4           with said capacitor to form an LC filter circuit,

5           wherein said choke coil includes first and second core  
6           type inductors having respectively bar-like high-frequency  
7           absorbing members located within windings thereof, an air-  
8           core inductor not having a high-frequency absorbing member  
9           and connected to said cathode terminal;

10           said first core type inductor, said second core type  
11           inductor and said air-core inductor are connected in  
12           series, and;

13           said first core type inductor and said second core  
14           type inductor are arranged via a gap having a width within  
15           1mm to 6mm;

16           wherein said high-frequency absorbing members of said  
17           first and second core type inductors are fixed within said  
18           windings of the first and second core type inductors by  
19           fixing means made of a silicone rubber based adhesive.

1           **Claim 8 (original):** A choke coil, for being connected  
2           between a cathode terminal and a capacitor, and cooperating  
3           with said capacitor to form an LC filter circuit of a  
4           magnetron, comprising;

5           first and second core type inductors having  
6           respectively bar-like high-frequency absorbing members  
7           located within windings thereof, and

8           an air-core inductor not having a high-frequency  
9           absorbing member and connected to said cathode terminal,

10           wherein said first core type inductor, said second  
11           core type inductor and said air-core inductor are connected  
12           in series, and

13           said first core type inductor and said second core  
14           type inductor are connected via a gap having a width within  
15           1mm to 6mm.